Operations Report

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7-August-2003

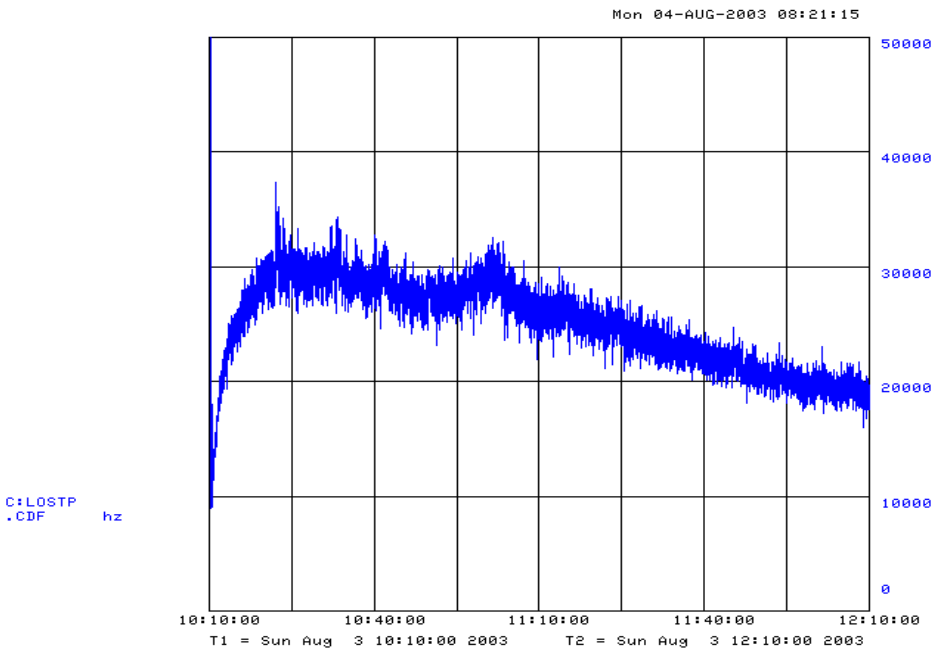
CDF Weekly Meeting

This Week's Stores

Date	Store	Inst Lum (initial)	Int Lum (delivered)	Lum to tape (ε)	Si Good Run (ε)
Fr 8/1	2847	36.4e30	1277	1086 (85.1%)	1063 (83.3%)
Su 8/3	2857	33.3e30	1345	1222 (90.9%)	1196 (81.1%)
Mo 8/4	2859	42.9e30	1614	1510 (93.6%)	1510 (93.6%)
We 8/6	2864	37.0e30	784	644 (90.9%)	566 (72.2%)
We 8/7	2868	39.5e30	1209	1106 (91.4%)	1106 (91.4%)
Total			6.23 pb^{-1}	5.57 pb^{-1} (89.4%)	5.45 pb^{-1} (87.4%)

Accelerator status

- High proton loss:
  - Starts since Friday store
  - Our limit for integrating Si = 20 kHz
    - 18 – 30 kHz beginning of the store
  - Si expert in control room for shot setup

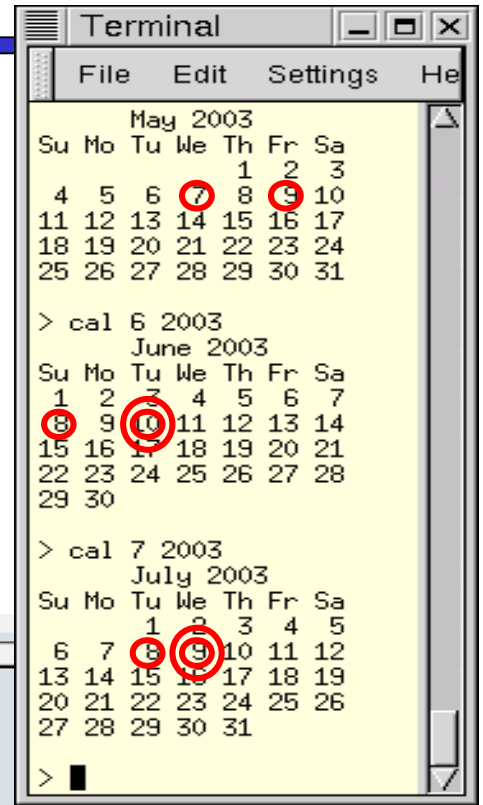


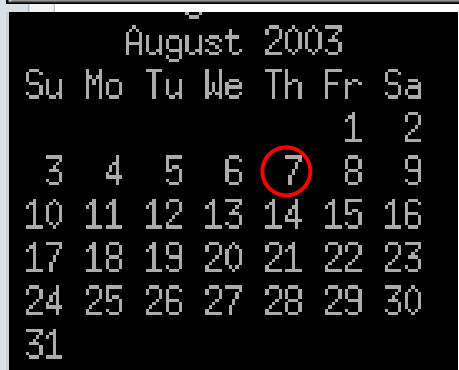
- New TeV pbar helix commissioning
  - Better pbar transfer efficiency
  - Also helps to reduce our p loss
  - Tuesday:
    - 2 trials for 36x4 shot
    - Both failed with quench
      - 1st while proton injection
      - 2nd while ramping
  - back to original helix

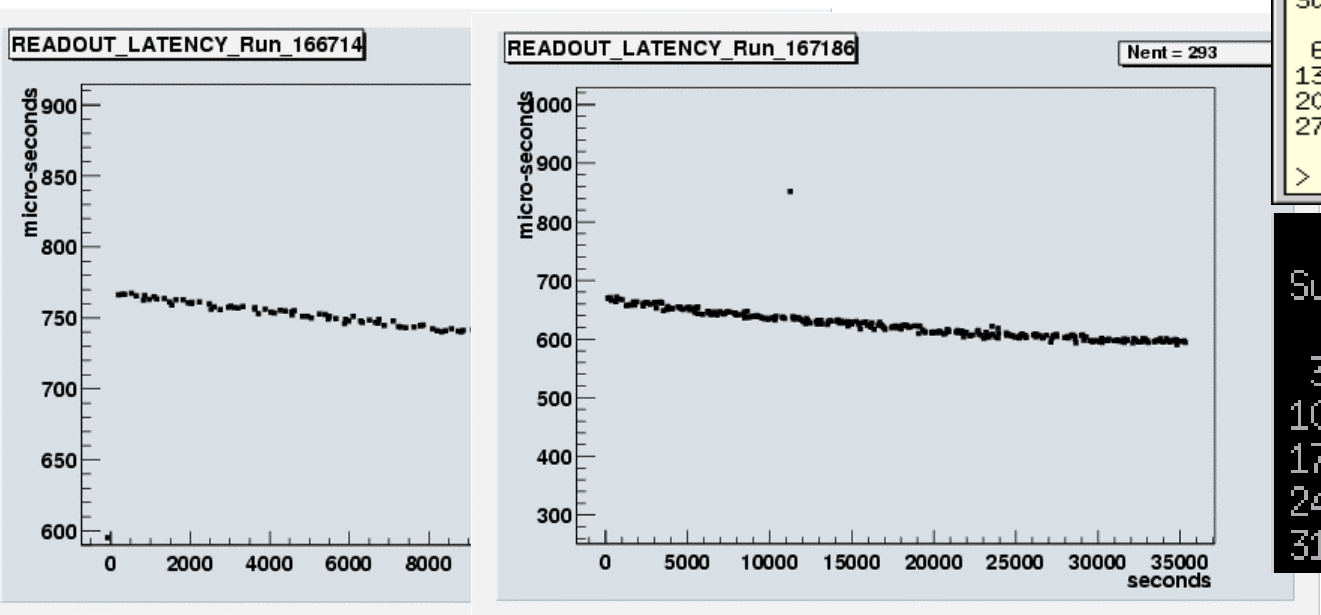
- Many stores are lost unintentionally
  - RF trip, Q magnet trip, ….

Detector operation

- COT/Muon TDC DSP
  - Modification on DSP
  - Significant speed up for readout time
  - Single channel error: to be investigated
- SVX HV
  - CAEN crate control error
  - Downtime is <10 minutes (in Day shift)







Summary/Plan

- Major source of downtime
  - Proton loss at the beginning of the store
  - CDF is working fine
- ~210 pb^{-1} for FY03. 1 month to go.